

24

PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/038,796
		Filing Date	December 31, 2001
		Confirmation Number	2941
		First Named Inventor	Marcille F. Rumble et al.
		Group Art Unit	3761
		Examiner Name	Not Yet Assigned <i>Rachle</i>
Sheet	2	of	3
		Attorney Docket No.	KCC 4767 (K.C. No.17,080)



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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>me</i>	1	4,705,710		Yoshio Matsuda	11-10-1987
	2	4,761,318		Ronald L. Ott et al.	08-08-1988
	3	4,894,060		Susan K. Nestegard	01-16-1990
	4	4,940,464		Paul T. Van Gompel et al.	07-10-1990
	5	5,032,122		John R. Noel et al.	07-16-1991
	6	5,256,231		Michael R. Gorman et al.	10-26-1993
	7	5,595,567		Willie F. King et al.	01-21-1997
	8	5,616,394		Michael R. Gorman et al.	04-01-1997
	9	5,647,864		Patrick Jay Allen et al.	07-15-1997
	10	5,766,389		Robert Griffiths Brandon et al.	06-16-1998
	11	5,785,699		Christoph Johann Schmitz	07-28-1998
	12	5,795,350		Christoph Johann Schmitz	08-18-1998
	13	6,113,717		Robert Eugene Vogt et al.	09-05-2000

Class/SB

Examiner Signature	<i>K.M. Reacheo</i>	Date Considered	<i>12-10-03</i>
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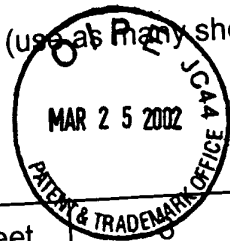
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/038,796
Filing Date	December 31, 2001
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First Named Inventor	Marcille F. Ruman et al.
Group Art Unit	3761
Examiner Name	Not Yet Assigned <i>Reche</i>
Attorney Docket No.	KCC 4767 (K.C. No.17,080)

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of

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
<i>Rvl</i>	14	WO	99/65441 A1		Laura Linda Elsberg et al.	12-23-1999	
	15	WO	00/35395 A2		Lisa Ann Dimitrijevs et al.	06-22-2000	
	16	WO	00/35395 A3		Lisa Ann Dimitrijevs et al.	06-22-2000	
	17	WO	00/37009 A2		Amy Lynn Fletcher et al.	06-29-2000	
	18	WO	00/37009 A3		Amy Lynn Fletcher et al.	06-29-2000	

Class 5/b

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature

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Date Considered

12-10-03

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			First Named Inventor	Marcille F. Ruman, et al.	
			Group Art Unit	3761	
			Examiner Name	<i>DK Reiche</i>	
Attorney Docket No.	KCC 4767 (K-C 17,080)				
Sheet	1	of	5		

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 PATENT TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>Reich</i>	19	3,694,867		Robert J. Stumpf	10-03-1972
	20	3,800,796		Ezekiel J. Jacob	04-02-1974
	21	4,051,853		Francis L. Egan, Jr.	10-04-1977
	22	4,543,141		John J. Bradley, et al.	09-24-1985
	23	4,606,964		Ronald H. Wideman	08-19-1986
	24	4,657,802		Michael T. Morman	04-14-1987
	25	4,663,220		Tony J. Wisneski, et al.	05-05-1987
	26	4,704,116		Kenneth M. Enloe	11-03-1987
	27	4,739,635		James P. Conley, et al.	04-26-1988
	28	4,834,742		John C. Wilson, et al.	05-30-1989
	29	4,834,820		Takahisa Kondo, et al.	05-30-1989
	30	4,847,134		Anne M. Fahrenkrug, et al.	07-11-1989
	31	4,850,990		Andrew E. Huntoon, et al.	07-25-1989
	32	4,900,384		Donald J. Sanders, et al.	02-13-1990
	33	4,936,840		Deborah L. Proxmire	06-26-1990
<i>✓</i>	34	4,940,464		Paul T. Van Gompel, et al.	07-10-1990

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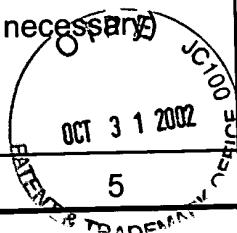
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Application Number	10/038,796
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First Named Inventor	Marcille F. Ruman, et al.
Group Art Unit	3761
Examiner Name	NK <i>Reeche</i>
Attorney Docket No.	KCC 4767 (K-C 17,080)

Sheet 2 of 5



<i>Ref</i>	35	4,963,140	Anthony J. Robertson, et al.	10-16-1990
	36	5,019,073	Thomas H. Roessler, et al.	05-28-1991
	37	5,046,272	Robert E. Vogt, et al.	09-10-1991
	38	5,110,403	Thomas D. Ehler	05-05-1992
	39	5,116,662	Michael T. Morman	05-26-1992
	40	5,176,670	Thomas H. Roessler, et al.	01-05-1993
	41	5,176,671	Thomas H. Roessler, et al.	01-05-1993
	42	5,224,405	Dale A. Pohjola	07-06-1993
	43	5,226,992	Michael T. Morman	07-13-1993
	44	5,246,433	Margaret H. Hasse, et al.	09-21-1993
	45	5,286,543	Tanakon Ungpiyakul, et al.	02-15-1994
	46	5,318,555	Bruce M. Siebers, et al.	06-07-1994
	47	5,326,612	David J. K. Goulait	07-05-1994
	48	5,359,525	Steven L. Weyenberg	10-25-1994
	49	5,380,313	David J. K. Goulait, et al.	01-10-1995
	50	5,383,872	Thomas H. Roessler, et al.	01-24-1995
	51	5,407,439	David J. K. Goulait	04-18-1995
	52	5,500,063	James L. Jessup	03-19-1996
	53	5,547,531	Patrick J. Allen, et al.	08-20-1996
<i>✓</i>	54	5,552,007	Gregory J. Rajala, et al.	09-03-1996

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Examiner Signature	<i>K.M. Reeche</i>	Date Considered	<i>12-10-03</i>
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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/038,796
Filing Date	December 31, 2001
Confirmation Number	2941
First Named Inventor	Marcille F. Ruman, et al.
Group Art Unit	3761
Examiner Name	<i>DK Rechle</i>
Attorney Docket No.	KCC 4767 (K-C 17,080)

Sheet 3 of 5

Class/Sub

<i>RM</i>	55	5,586,371		Dennis A. Thomas	12-24-1996
	56	5,615,460		David M. Weirich, et al.	04-01-1997
	57	5,624,427		Carl L. Bergman, et al.	04-29-1997
	58	5,626,711		Thomas R. Herrmann	05-06-1997
	59	5,660,666		Rebecca Lyn Dilnik, et al.	08-26-1997
	60	5,699,593		Bryon M. Jackson	12-23-1997
	61	5,735,840		Mark J. Kline, et al.	04-07-1998
	62	5,755,902		Gary Mack Reynolds	05-26-1998
	63	5,763,041		A. Todd Leak, et al.	06-09-1998
	64	5,766,389		Robert Griffiths Brandon, et al.	06-16-1998
	65	5,772,825		Christoph Johann Schmitz	06-30-1998
	66	5,779,831		Christoph Johann Schmitz	07-14-1998
	67	5,786,062		Joseph P. Callahan, Jr. et al.	07-28-1998
	68	5,818,719		Robert Griffiths Brandon, et al.	10-06-1998
	69	5,855,574		Robert Kling, et al.	01-05-1999
	70	5,858,515		Ty Jackson Stokes, et al.	01-12-1999
	71	5,879,500		Robert M. Herrin, et al.	03-09-1999
	72	5,897,545		Mark James Kline, et al.	04-27-1999
	73	5,897,547		Christoph Johann Schmitz	04-27-1999
<i>✓</i>	74	5,916,207		Harumitsu Toyoda, et al.	06-29-1999

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			Complete if Known	
			Application Number	10/038,796
			Filing Date	December 31, 2001
			Confirmation Number	2941
			First Named Inventor	Marcille F. Ruman, et al.
			Group Art Unit	3761
			Examiner Name	<i>HK Reiche</i>
Sheet	4	of	Attorney Docket No.	KCC 4767 (K-C 17,080)

No.	Cite No.	Serial No.	Class	Sub	Inventor	Date
<i>RM</i>	75	5,964,742			Ann Louise McCormack, et al.	10-12-1999
	76	5,997,981			Ann Louise McCormack, et al.	12-07-1999
	77	6,102,901			Patrick Robert Lord, et al.	08-15-2000
	78	6,136,405			Terrill Alan Young, et al.	10-24-2000
	79	6,192,556	B1		Keiko Kikko, et al.	02-27-2001
	80	6,210,389	B1		Andrew Mark Long, et al.	04-03-2001
<i>RM</i>	81	6,332,250	B1		Takamitsu Igaue, et al.	12-23-2001

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
<i>RM</i>	82	EP	0 217 032	A2	Jack Taylor Draper, et al.	04-08-1987	
	83	EP	0 638 304	A1	Christoph Johann Schmitz	02-15-1995	
	84	EP	0 782 424	B1	Mark James Kline, et al.	07-09-1997	
	85	EP	0 800 379	B1	Edward Herman Ruscher, et al.	10-15-1997	
	86	WO	00/35398	A1	Christopher Peter Olson, et al.	06-22-2000	
	87	WO	01/83347	A1	Debra Hartley Durrance, et al.	11-08-2001	
	88	WO	01/87210	A1	Joseph Daniel Coenen, et al.	11-22-2001	
	89	WO	01/87218	A2	Brian Robert Vogt, et al.	11-22-2001	
<i>RM</i>	90	WO	01/87562	A2	Charles Robert Tomsovic, et al.	11-22-2001	

Examiner Signature	<i>K.M. Reiche</i>	Date Considered	<i>12-10-03</i>
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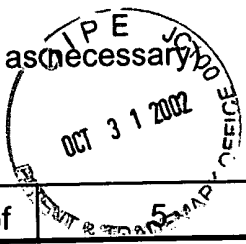
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			First Named Inventor	Marcille F. Ruman, et al.	
			Group Art Unit	3761	
			Examiner Name	<i>NK Reecher</i>	
Sheet	5	of	5	Attorney Docket No.	KCC 4767 (K-C 17,080)



<i>PK</i>	91	WO	01/87753	A2	Carl Lloyd Hietpas	11-22-2001		
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OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

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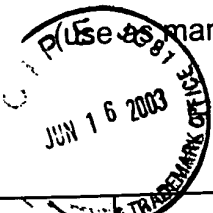
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**SECOND SUPPLEMENTAL
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Examiner Name	<i>NK Reechle</i>
Attorney Docket No.	KCC 4767 (K-C 17,080)

Sheet 2 of 3

Serial Number	Publication Number	Kind of Document	Inventor	Date
<i>107</i>	5,669,900		Edward Paul Bullwinkel, et al.	09-23-1997
108	5,830,206		Björn Larsson	11-03-1999
109	5,830,298		Byron M. Jackson	11-03-1998
110	5,888,607		Jayshree Seth, et al.	03-30-1999
111	5,891,547		Barbara J. Lawless	04-06-1999
112	5,997,981		Ann Louise McCormack, et al.	12-07-1999
113	6,027,485		Michiyo Matsushita, et al.	02-22-2000
114	6,146,738		Tomoko Tsuji, et al.	11-14-2000
115	6,287,287	B1	Laura Linda Elsberg	11-11-2001
116	6,328,725	B2	Ingemar Fernfors	12-11-2001
117	6,329,016	B1	William H. Shepard, et al.	12-11-2001
118	6,395,115	B1	Robert Lee Popp, et al.	05-28-2002
119	6,409,858	B1	Robert Lee Popp, et al.	06-25-2002
120	6,432,243	B1	Robert Lee Popp, et al.	08-13-2002
121	6,432,248	B1	Robert Lee Popp, et al.	08-13-2002
122	6,447,628	B1	Jack L. Couillard, et al.	09-10-2002
123	6,458,115	B1	Bengt Lindqvist, et al.	10-01-2002
124	6,461,344	B1	Urban Widlund, et al.	10-08-2002
125	6,481,362	B2	Lloyd Carl Hietpas, et al.	11-19-2002
126	6,497,032	B2	David Albert Maxton, et al.	12-24-2002
127	6,513,221	B2	Brian Robert Vogt, et al.	02-04-2003

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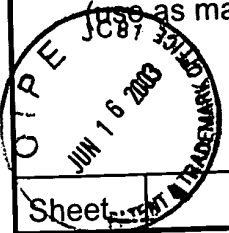
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Signature*K.M. Reechle*Date
Considered*12-10-02*

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		Confirmation Number	2941
		First Named Inventor	Marcille F. Ruman, et al.
		Group Art Unit	3761
		Examiner Name	NK <i>K.M. Reiche</i>
Sheet 1 of 3	Attorney Docket No. RECEIVED 67 (K-C 17,080)		



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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>RMZ</i>	92	2,957,512		W. Wade, et al.	10-25-1960
	93	3,319,307		I. Marforio	05-15-1967
	94	3,577,607		Yasaburo Ikoma, et al.	06-15-1968
	95	3,943,981		Jean Leon Philemon Isidor Pierre DeBrabander	03-15-1976
	96	4,145,763		Joe L. Abrams, et al.	03-27-1979
	97	4,205,679		Virginia L. Repke, et al.	06-03-1980
	98	4,402,690		Robin Redfern	09-06-1983
	99	4,610,680		Ruby S. LaFleur	09-05-1986
	100	4,615,695		Rosanna M. Cooper	10-07-1986
	101	4,699,622		John W. Toussant, et al.	10-13-1987
	102	4,714,096		Normand D. Guay	12-22-1987
	103	5,087,253		Rosanna M. Cooper	02-11-1992
	104	5,104,116		Dale A. Pohjola	04-14-1992
	105	5,246,433		Margaret H. Hasse, et al.	09-21-1993
	106	5,370,634		Kenji Ando, et al.	12-06-1994

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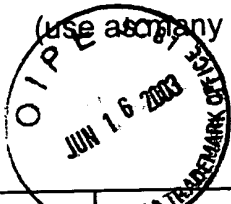
Examiner Signature	<i>K.M. Reiche</i>	Date Considered	<i>12-10-03</i>
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

PTO/SB/08A

**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/038,796
Filing Date	December 31, 2001
Confirmation Number	2941
First Named Inventor	Marcille F. Ruman, et al.
Group Art Unit	3761
Examiner Name	<i>DK Reiche</i>
Attorney Docket No.	KCC 4767 (K-C 17,080)

Sheet

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of

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<i>ms</i>	128	6,514,187	B2	Joseph Daniel Coenen, et al.	02-04-2003
					JUN 19 2003

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TECHNOLOGY CENTER R3700

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
<i>RZ</i>	129	FR	1.375.254		Joseph Bauduin, et al.	09-06-1963	
	130	GB	1 520 740		David Philip Tong	08-09-1978-	
	131	WO	95/27462	A1	Urban Widlund, et al.	10-19-1995	
	132	EP	0 812 584	A2	Michiyo Matsushita, et al.	12-17-1997	
	133	EP	0 757 550	B1	Karl Patrick Ronn, et al.	12-09-1998	
	134	WO	00/23025	A1	Edgar Lionel Tilly, et al.	04-27-2000	
	135	WO	01/187206	A1	Robert Lee Popp, et al.	11-22-2001	
	136	WO	01/187208	A1	Jack L. Couillard, et al.	11-22-2001	
	137	WO	01/187209	A1	Robert Lee Popp, et al.	11-22-2001	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature	<i>K.M. Reiche</i>	Date Considered	<i>12-10-03</i>
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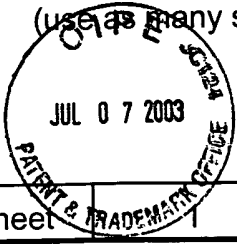
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A		Complete if Known	
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/038,796
		Filing Date	December 31, 2001
		Confirmation Number	2941
		First Named Inventor	Marcille F. Ruman, et al.
		Group Art Unit	3761
		Examiner Name	<i>NK Reuchle</i>
Sheet 1	of 1	Attorney Docket No.	KCC 4767 (K-C 17,080)



U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>ML</i>	138	6,036,805		Patrick Sean McNichols	03- 14 -2000

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
<i>ML</i>		International Search Report for PCT/US 02/40780 dated April 22, 2003	

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Examiner Signature	<i>K.M. Reuchle</i>	Date Considered	<i>12-13-03</i>
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

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PTO/SB/08A FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/038,796
	Filing Date	December 31, 2001
	Confirmation Number	2941
	First Named Inventor	Marcille F. Ruman, et al.
	Group Art Unit	3761
	Examiner Name	Karin M. Reichle
	Attorney Docket No.	KCC 4767 (K-C 17,080)
1	of	1



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>MR</i>	140	5,961,761		Heindel et al.	10-05-1999
<i>MR</i>	141	2002/0002358	A1	Durrance et al.	01-08-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
<i>MR</i>	142	WO	98/15248	A1	Lindqvist et al.	04-16-1998	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
<i>MR</i>	143	International Search Report for PCT/US 03/11793 dated September 1, 2003	

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OCT 15 2003

Examiner Signature	<i>K.M. Reichle</i>	Date Considered	<i>12-10-03</i>
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